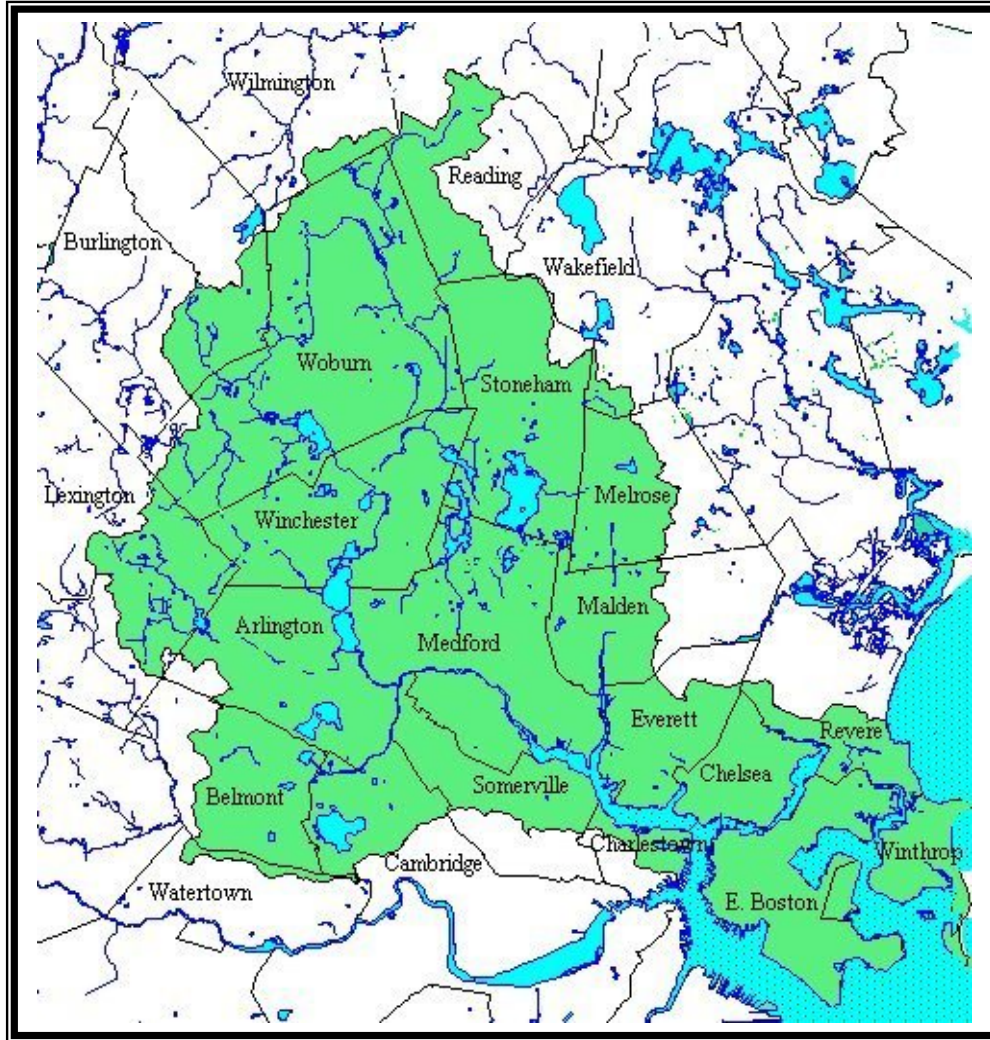


Mystic River Watershed Assessment and Action Plan

Fall 2006



Prepared for:

Massachusetts Executive Office of Environmental Affairs
Department of Environmental Protection

Prepared by:

Nancy Hammett (MyRWA)
Grace Perez (MyRWA)
Michele Cutrofello (Tufts University)
John Durant (Tufts University)
Paul Kirshen (Tufts University)
Sarah Widing (Tufts University)



Table of Contents

Acknowledgements

Table of Contents

Executive Summary

Chapter 1. Introduction

- 1.1 Purpose and overview
- 1.2 The Massachusetts Watershed Initiative

Chapter 2. Watershed Background

- 2.1 Overview of the watershed
- 2.2 Description of subwatersheds
- 2.3 History of the watershed
- 2.3 Profile of watershed communities

Chapter 3. Water Quantity and Flooding

- 3.1 Introduction
- 3.2 Water quantity and use
- 3.3 Flooding
- 3.4 Priorities for action

Chapter 4. Water Quality

- 4.1 Introduction and methodology
- 4.2 Overview of results
- 4.3 Results and priorities for action by subbasin
- 4.4 Conclusion

Chapter 5. Land Use and Open space

- 5.1 Introduction
- 5.2 Land use
- 5.3 Open space
- 5.4 Priorities for action

Chapter 6. Recreation

- 6.1 Introduction
- 6.2 Current recreational activities and challenges
- 6.3 Priorities for action

Chapter 7. Habitat

- 7.1 Introduction
- 7.2 Overview of habitat assets and challenges
- 7.3 Priorities for action

Chapter 8. Action Plan

- 8.1 Introduction

- 8.2 Results of previous planning efforts
- 8.3 Priority actions
- 8.4 Implementation

References

Appendices

- Appendix A. Description of the Massachusetts Watershed Initiative
- Appendix B. Water quality database methodology
- Appendix C. Detailed water quality results by subbasin
- Appendix D. State-identified hazardous waste sites in the Mystic River Watershed
- Appendix E. NPDES-permitted wastewater dischargers in the Mystic River Watershed
- Appendix F. USGS sediment quality survey
- Appendix G. Massachusetts Watershed Initiative Annual Work Plans for the Mystic River Watershed
- Appendix H. Future Search 1999 goals & priorities
- Appendix I: EJAM summit results

Acknowledgements

The authors are grateful to the following individuals, without whose help this report could not have been completed: John Reinhardt (MA-DEP), Kwabena Kyei-Aboagye, Jr. (MA-EOEA), Kelly Coughlin (MWRA), Libby Larson (MyRWA), and Roger Frymire.